

**Fig. 1**

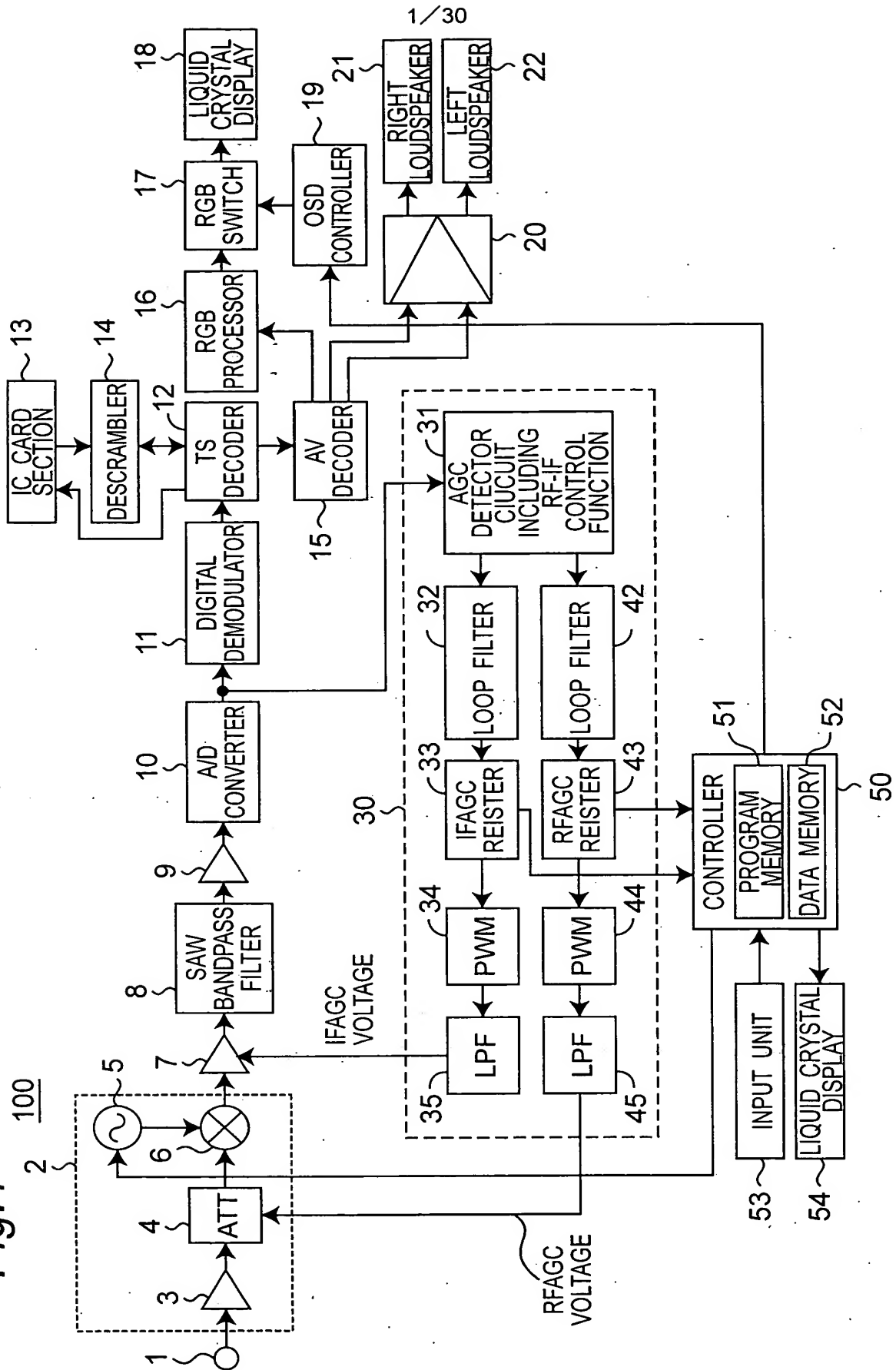


Fig. 2

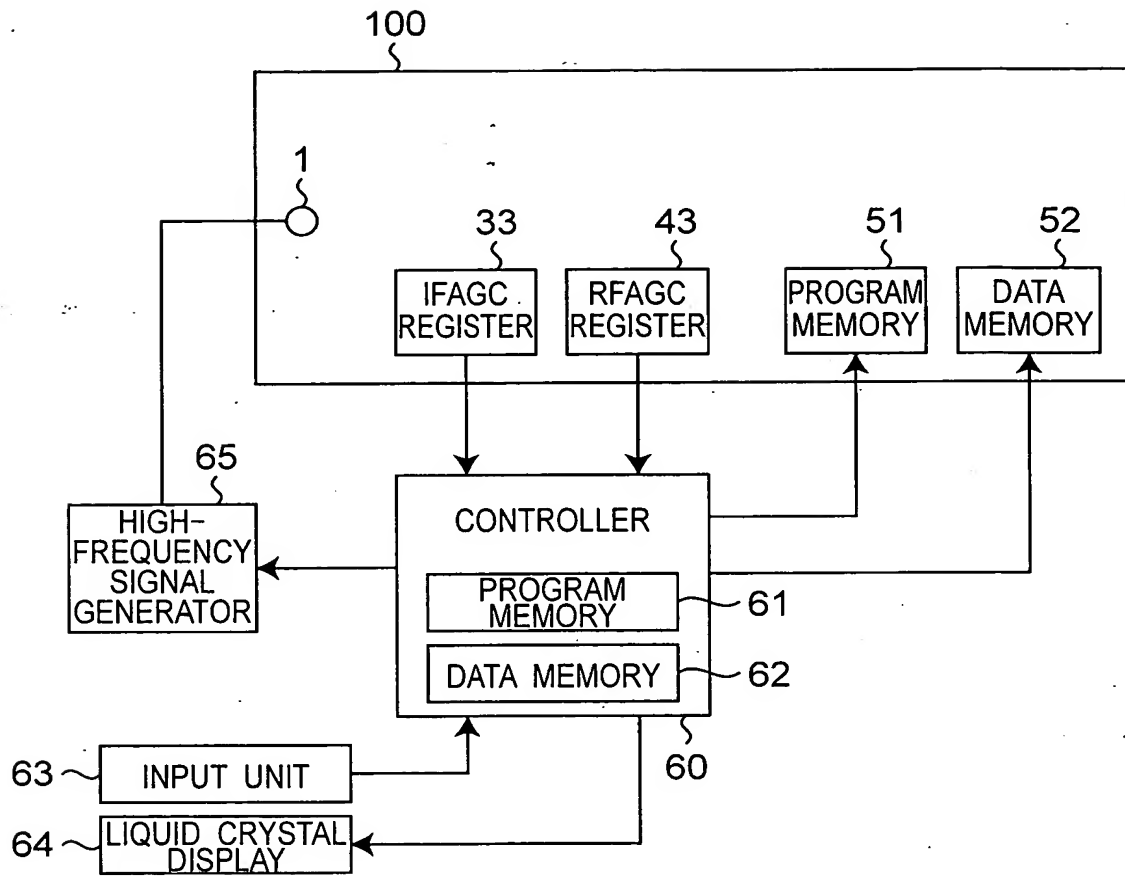


Fig.3

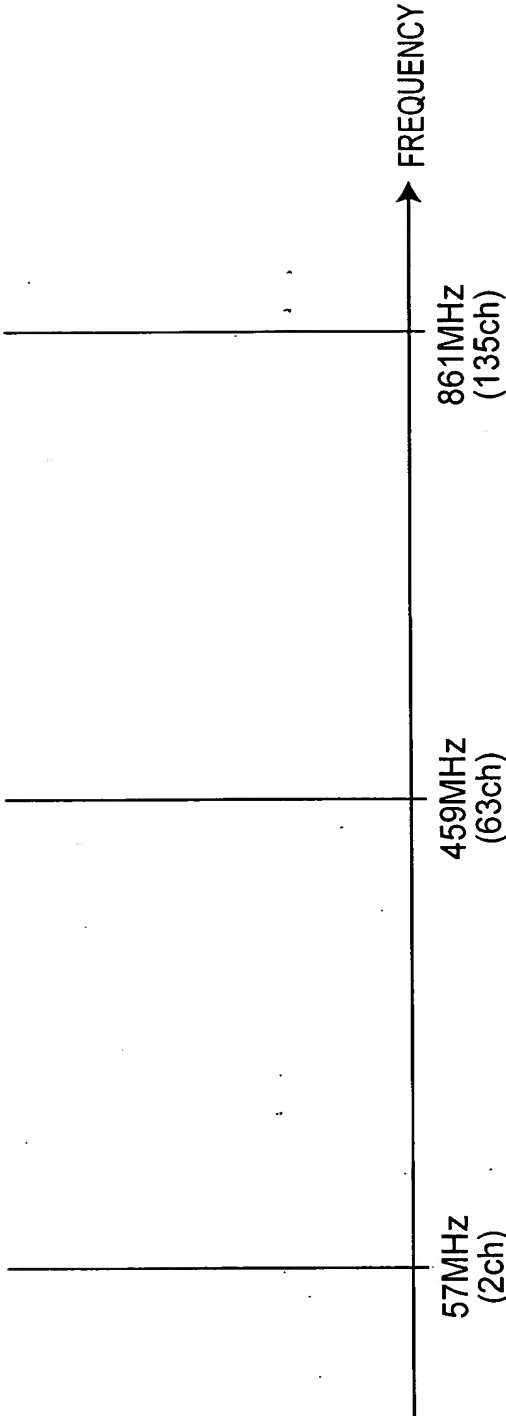


Fig.4

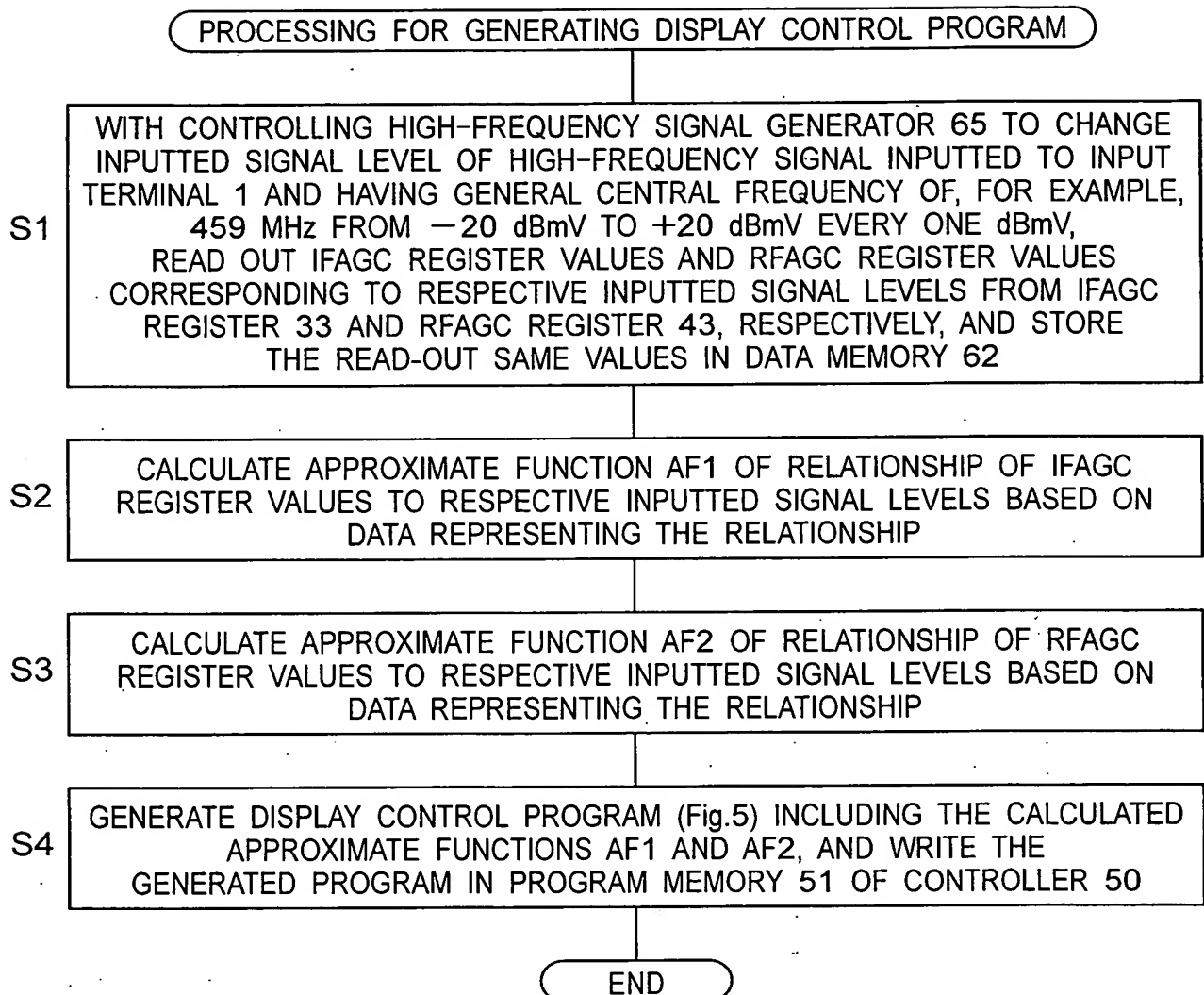


Fig.5

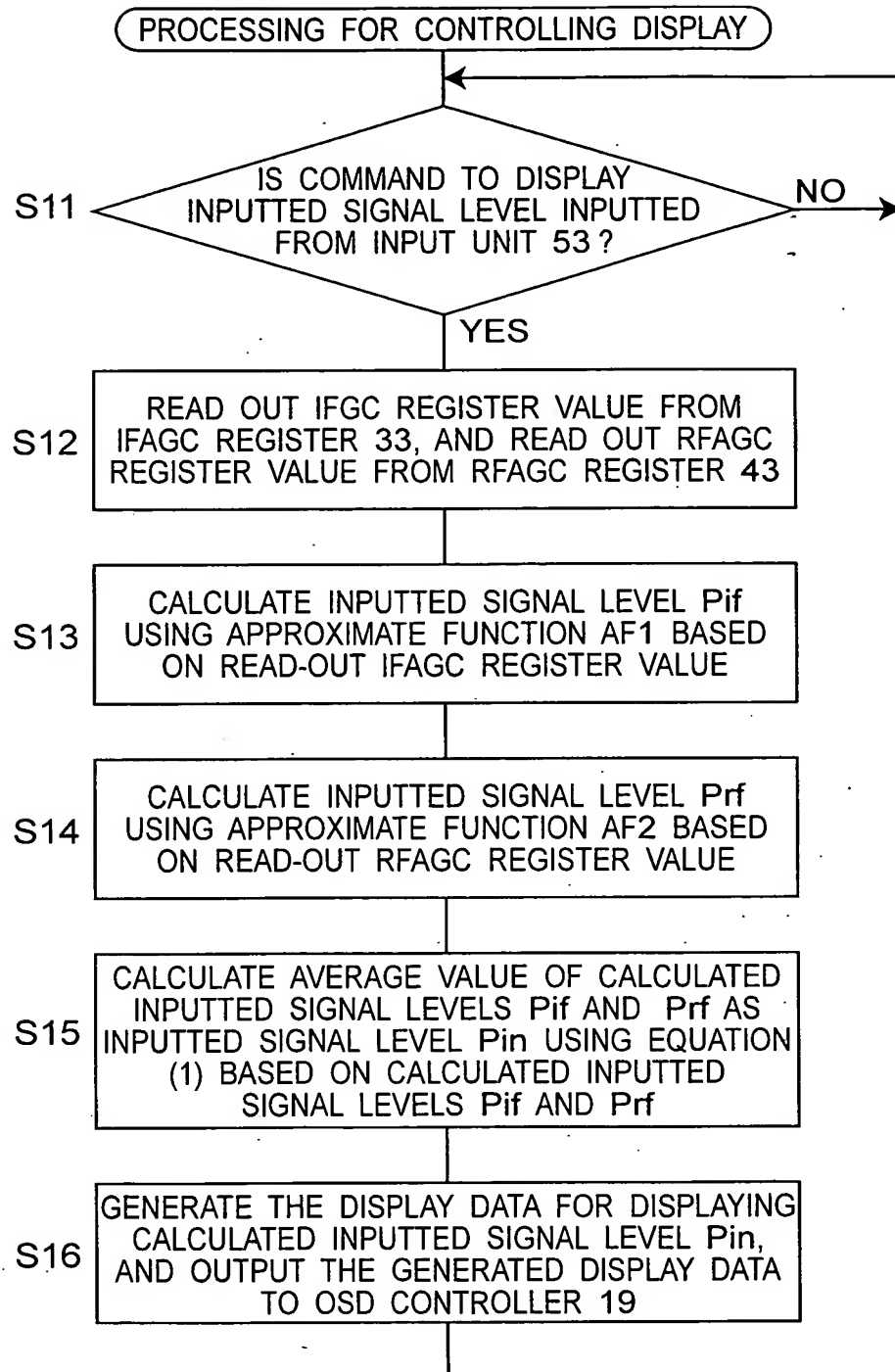


Fig.6

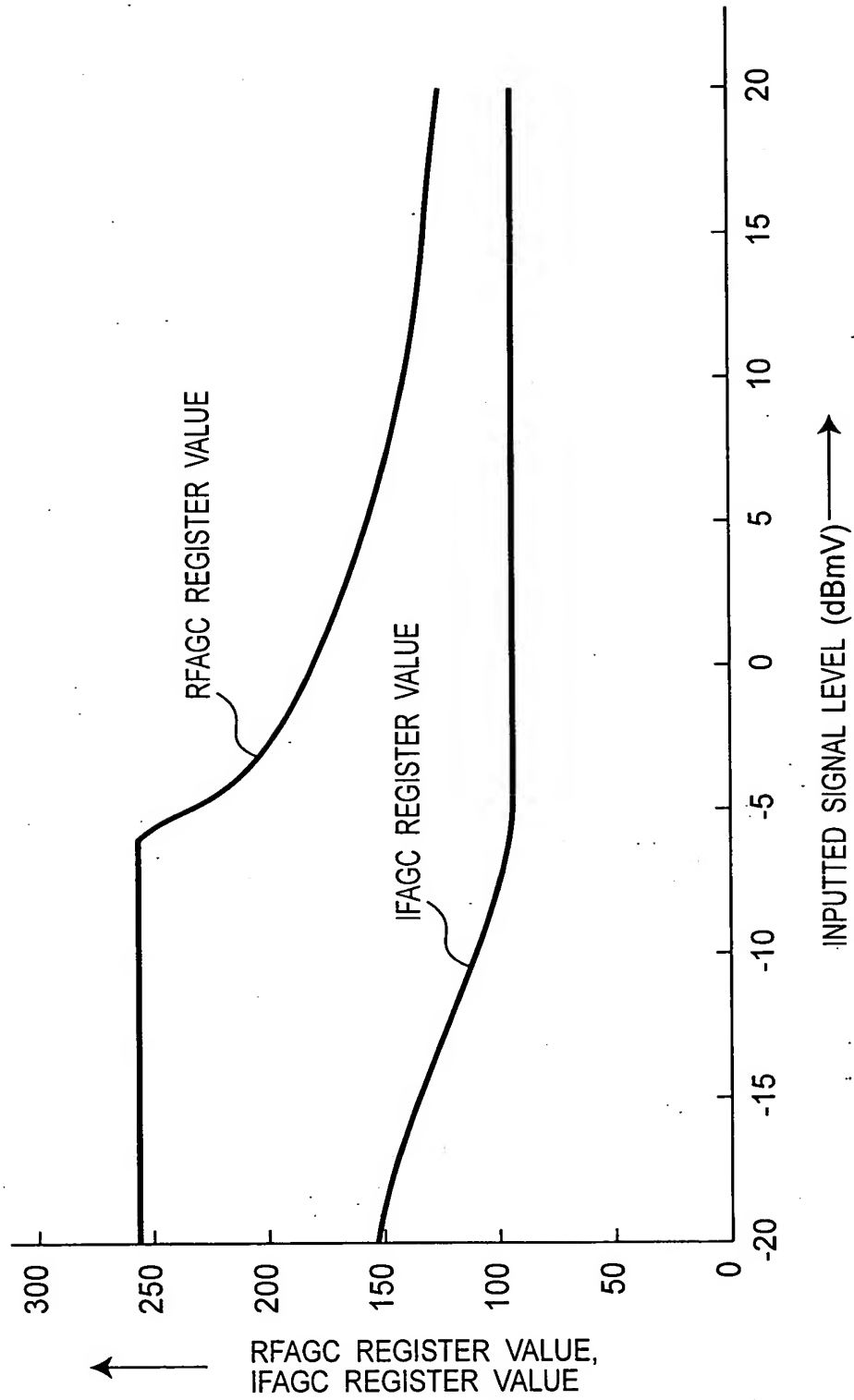
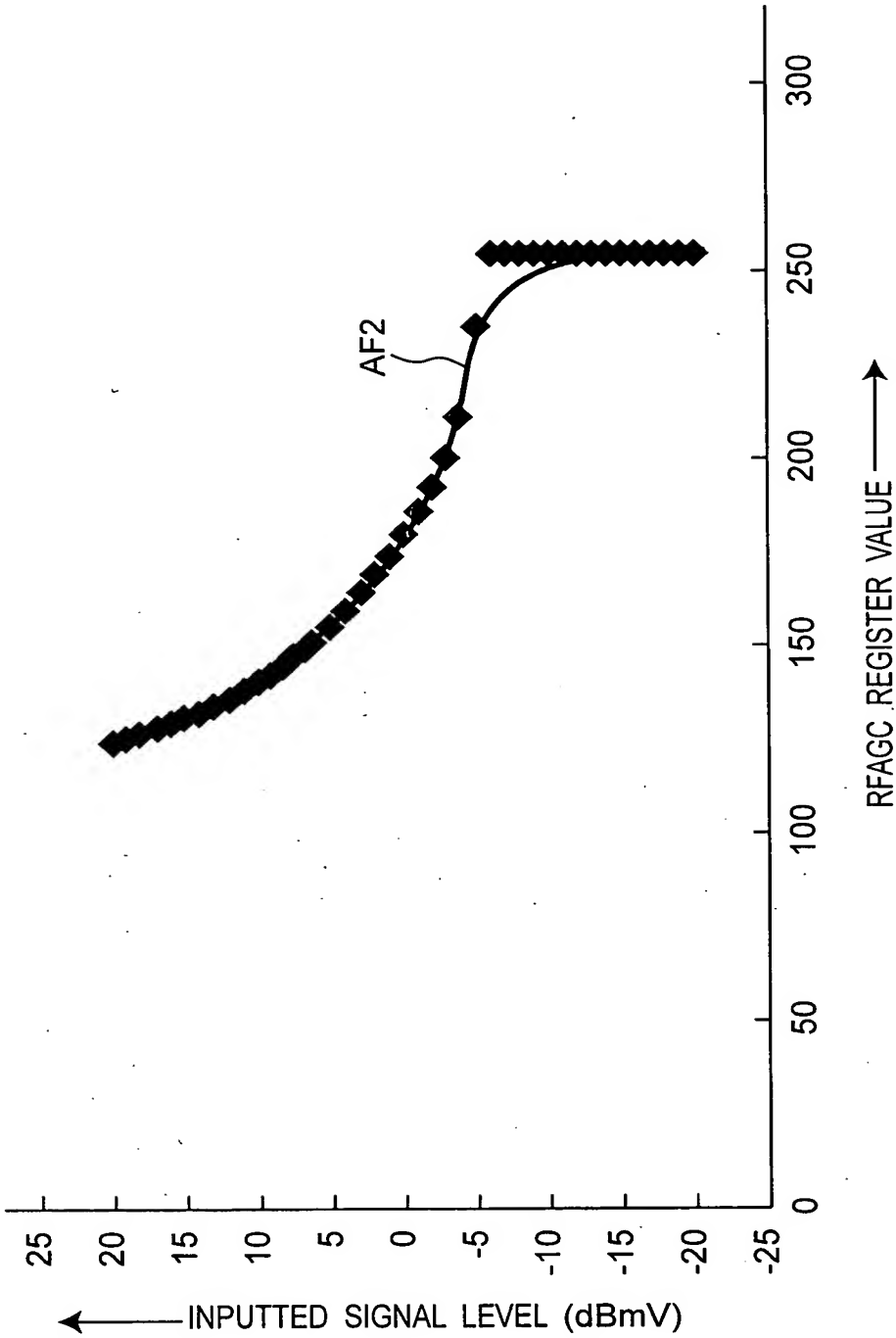


Fig.7



8/30

Fig.8

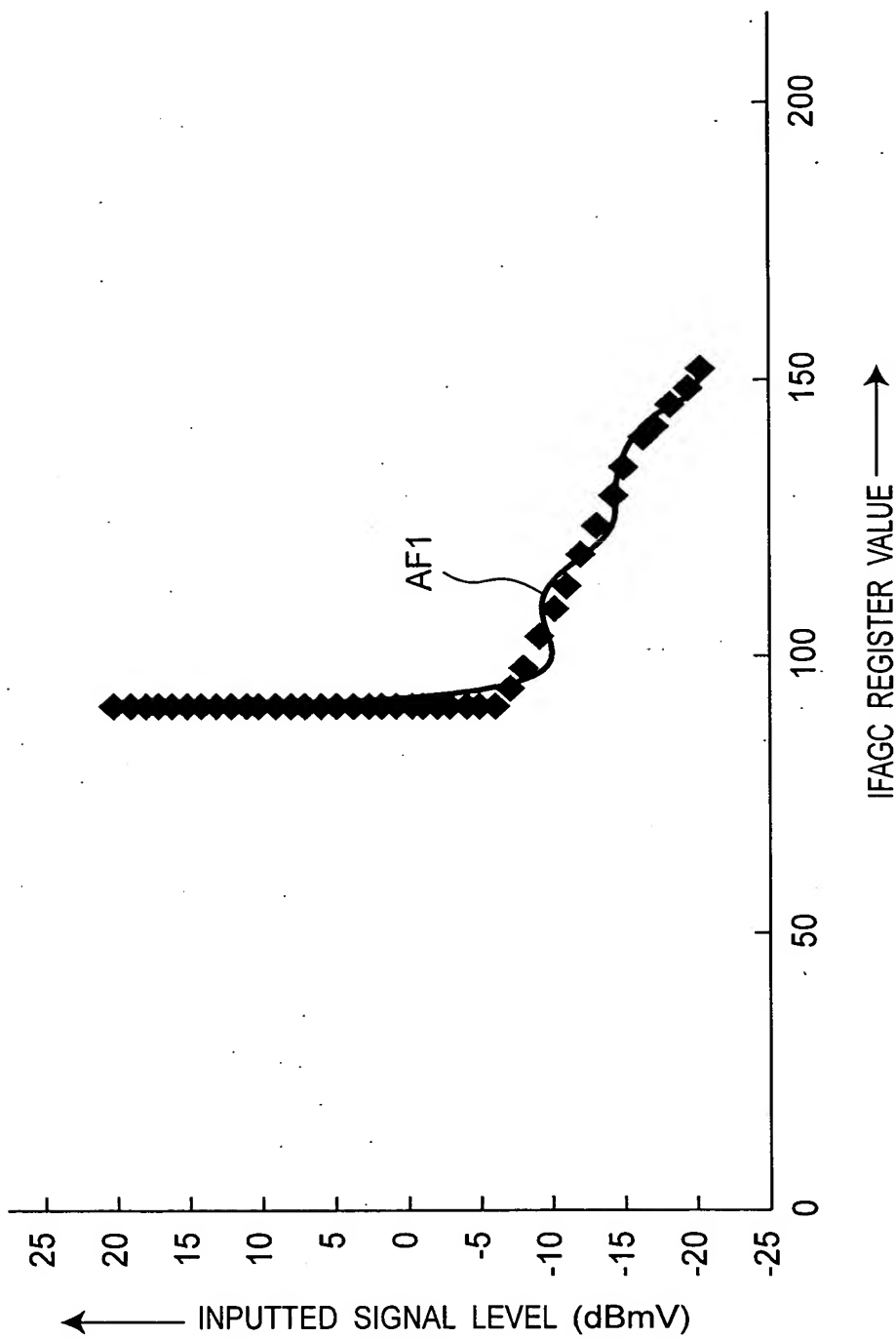




Fig.9

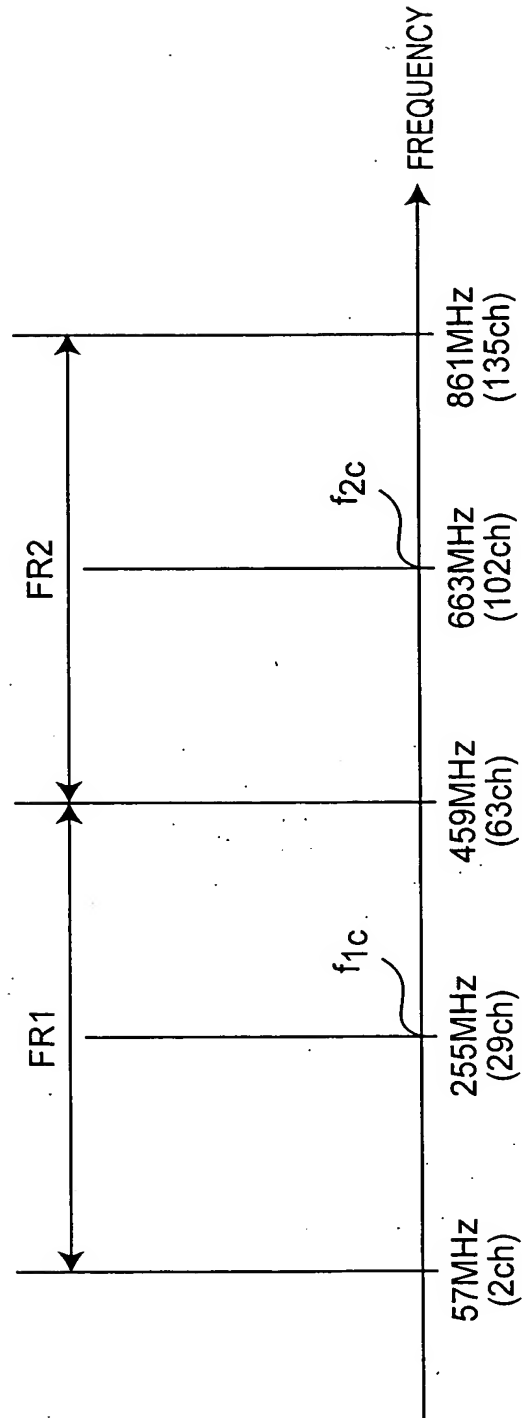


Fig.10

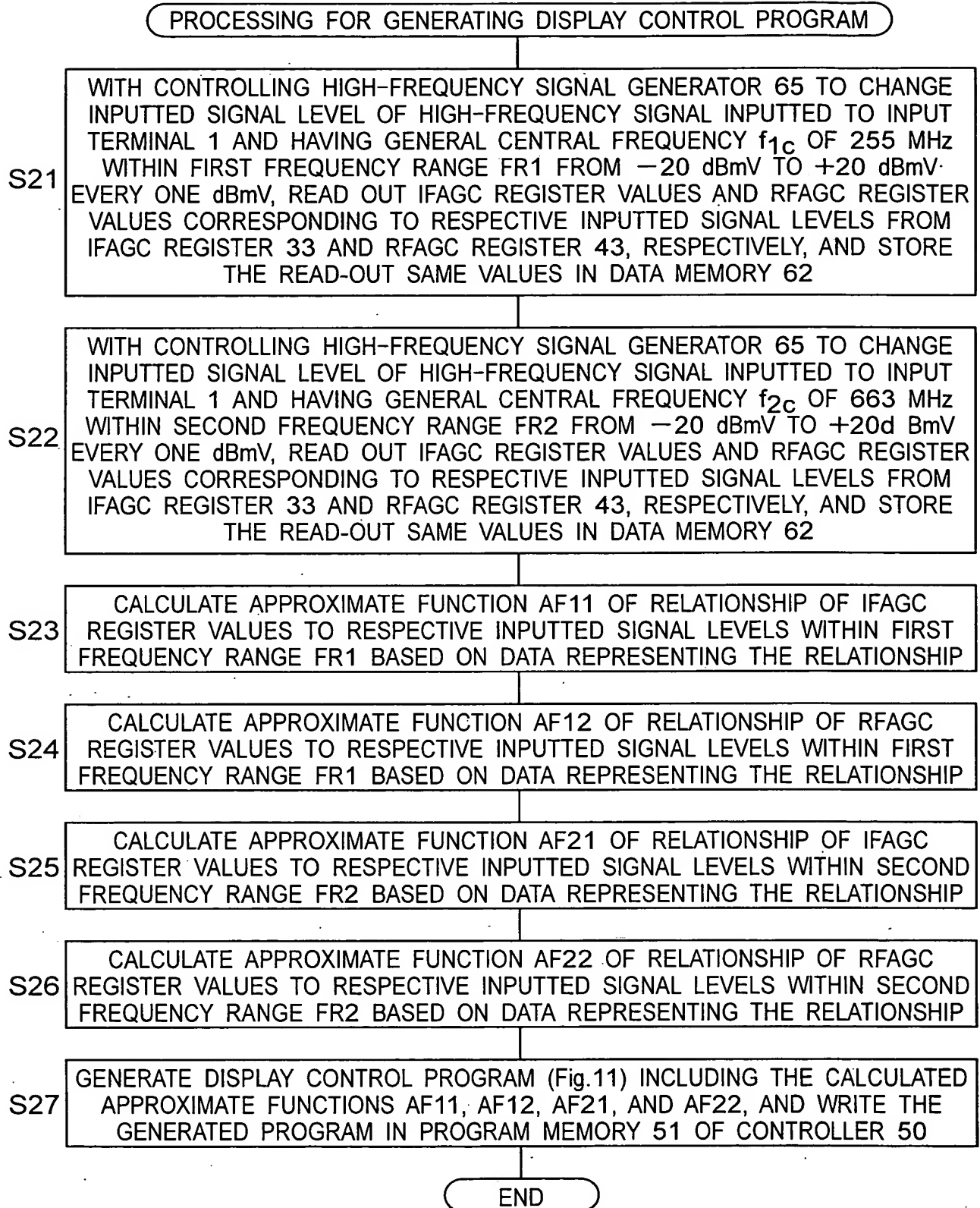


Fig. 11

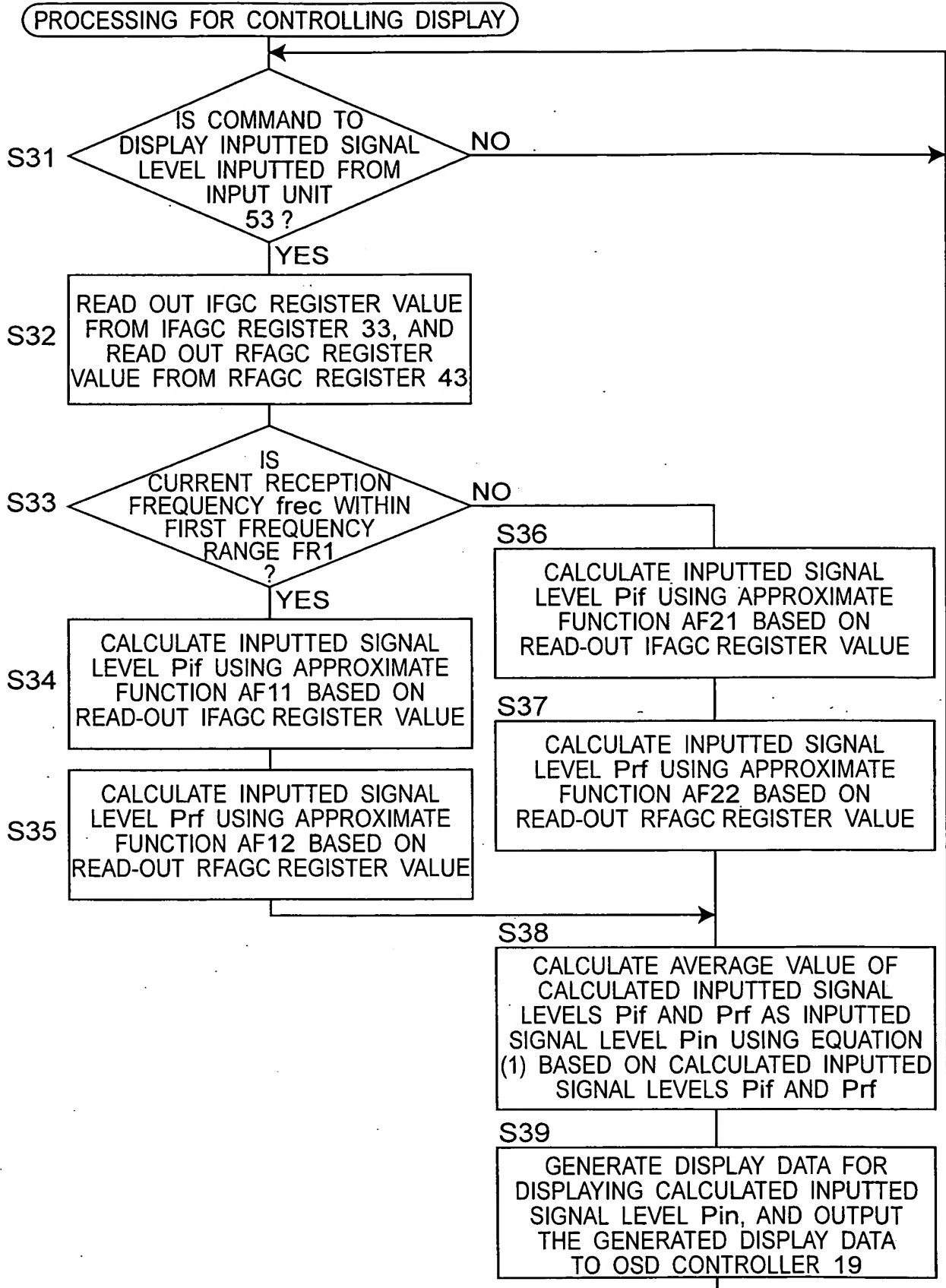
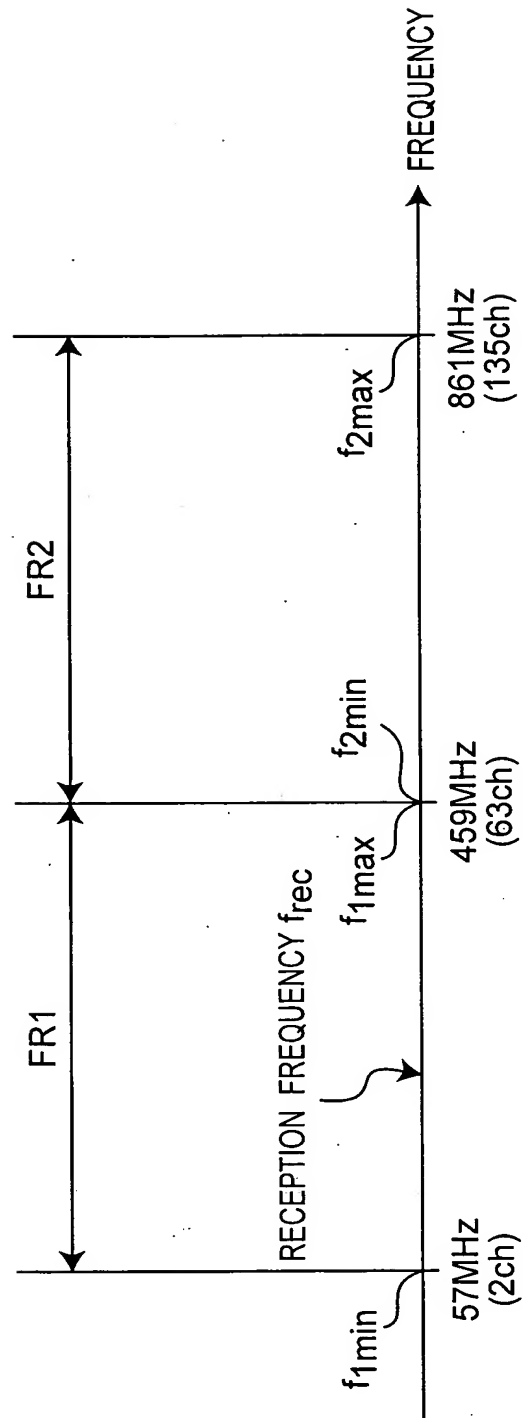


Fig.12



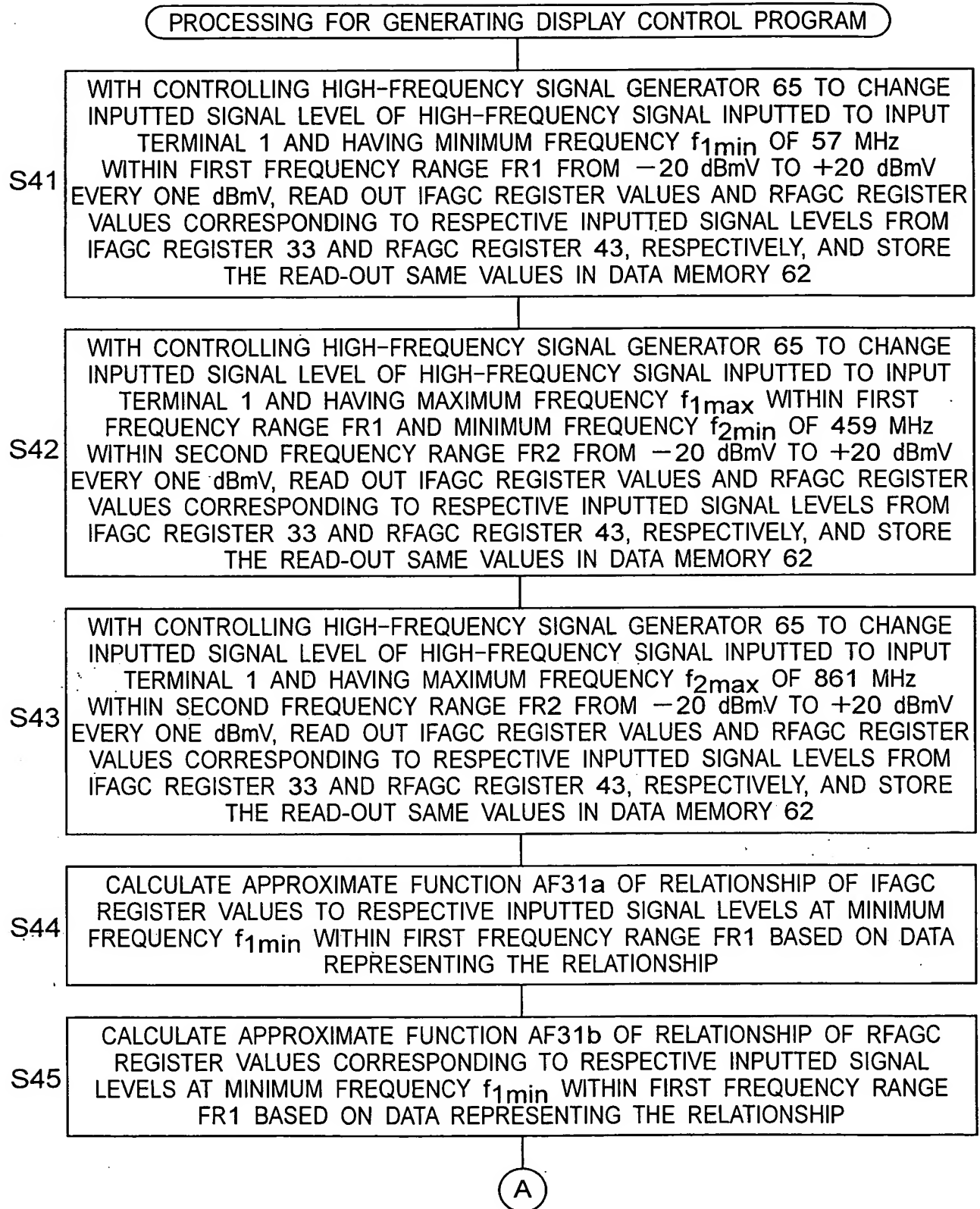
*Fig. 13*

Fig.14

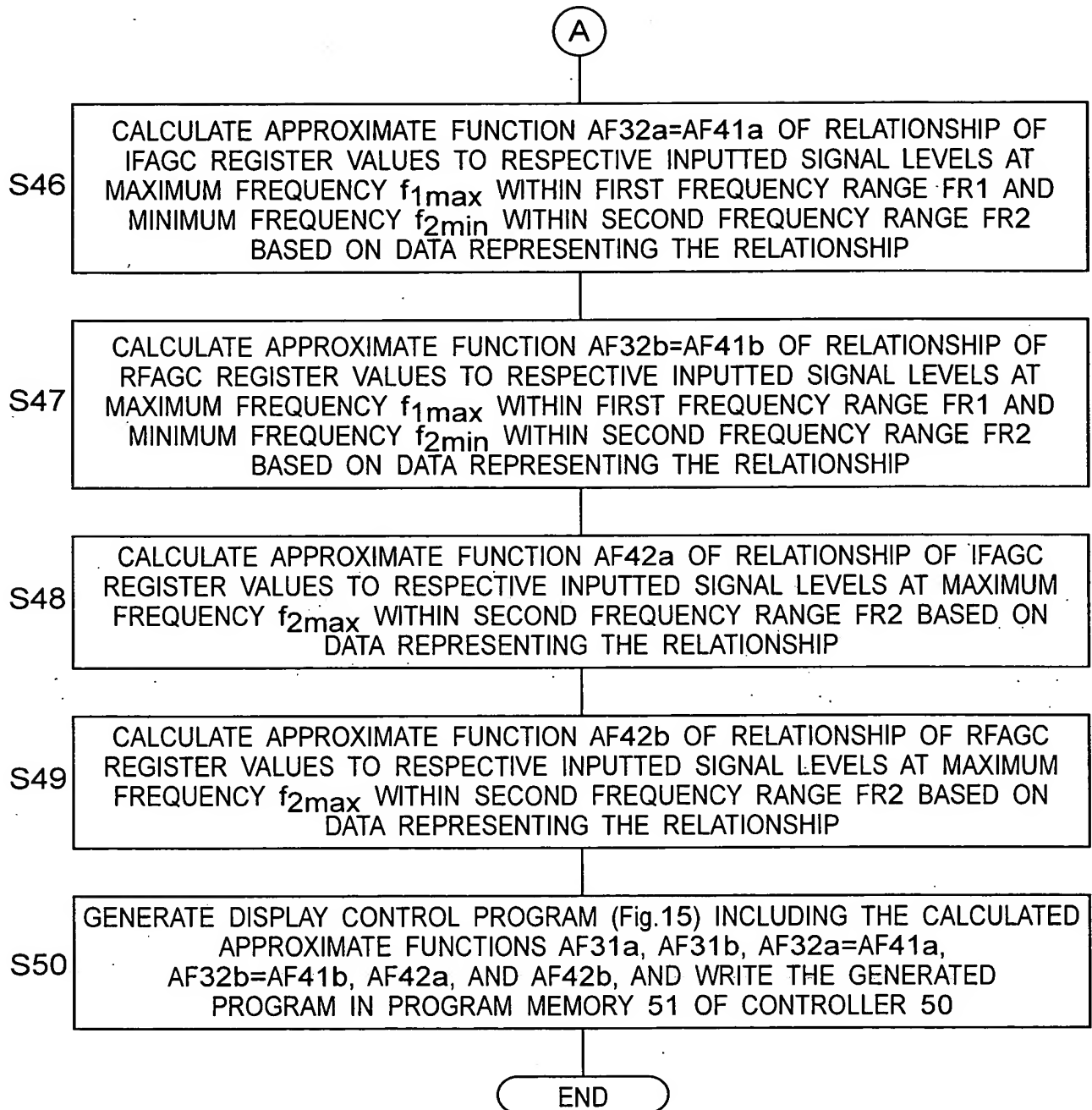
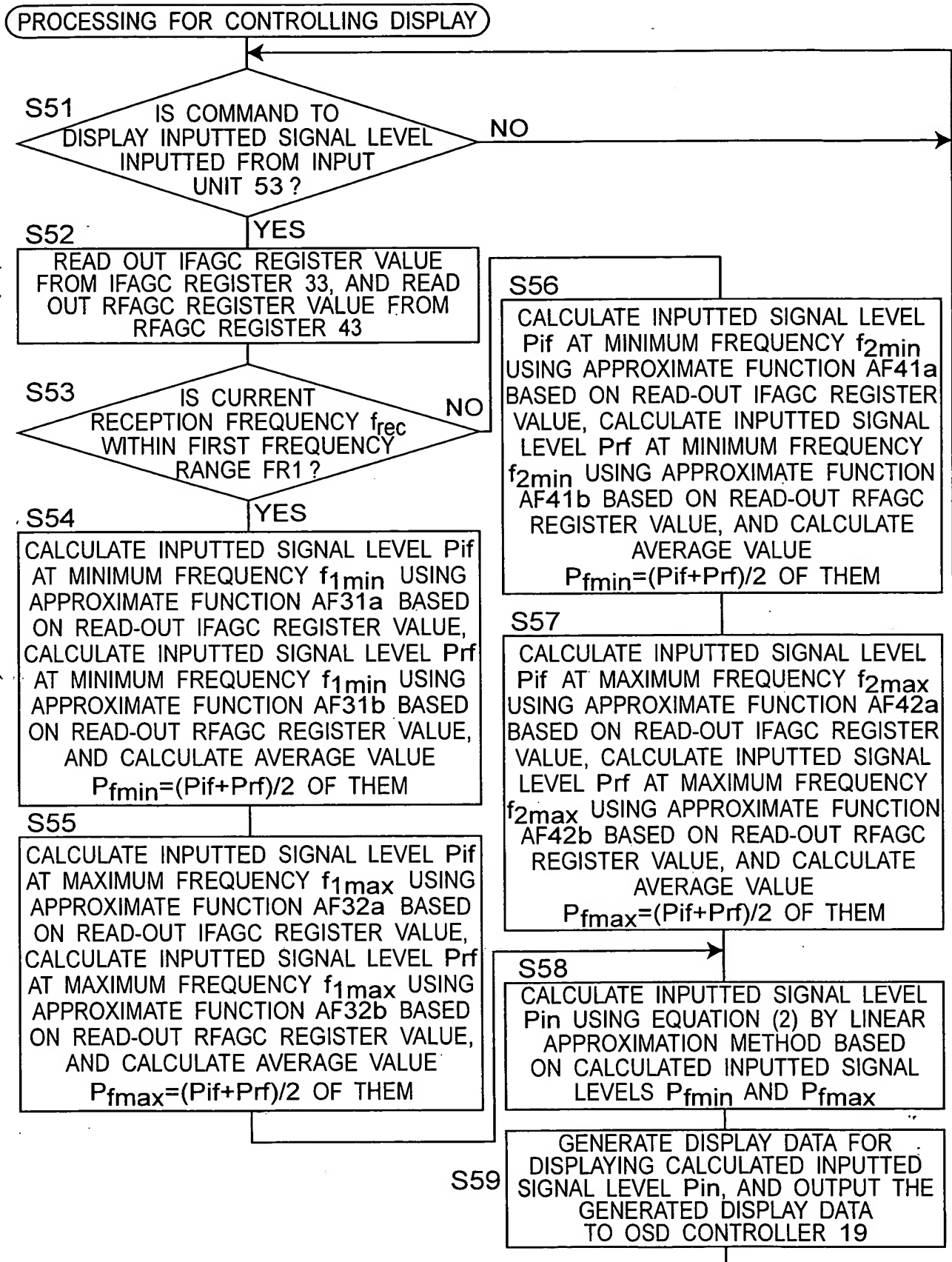
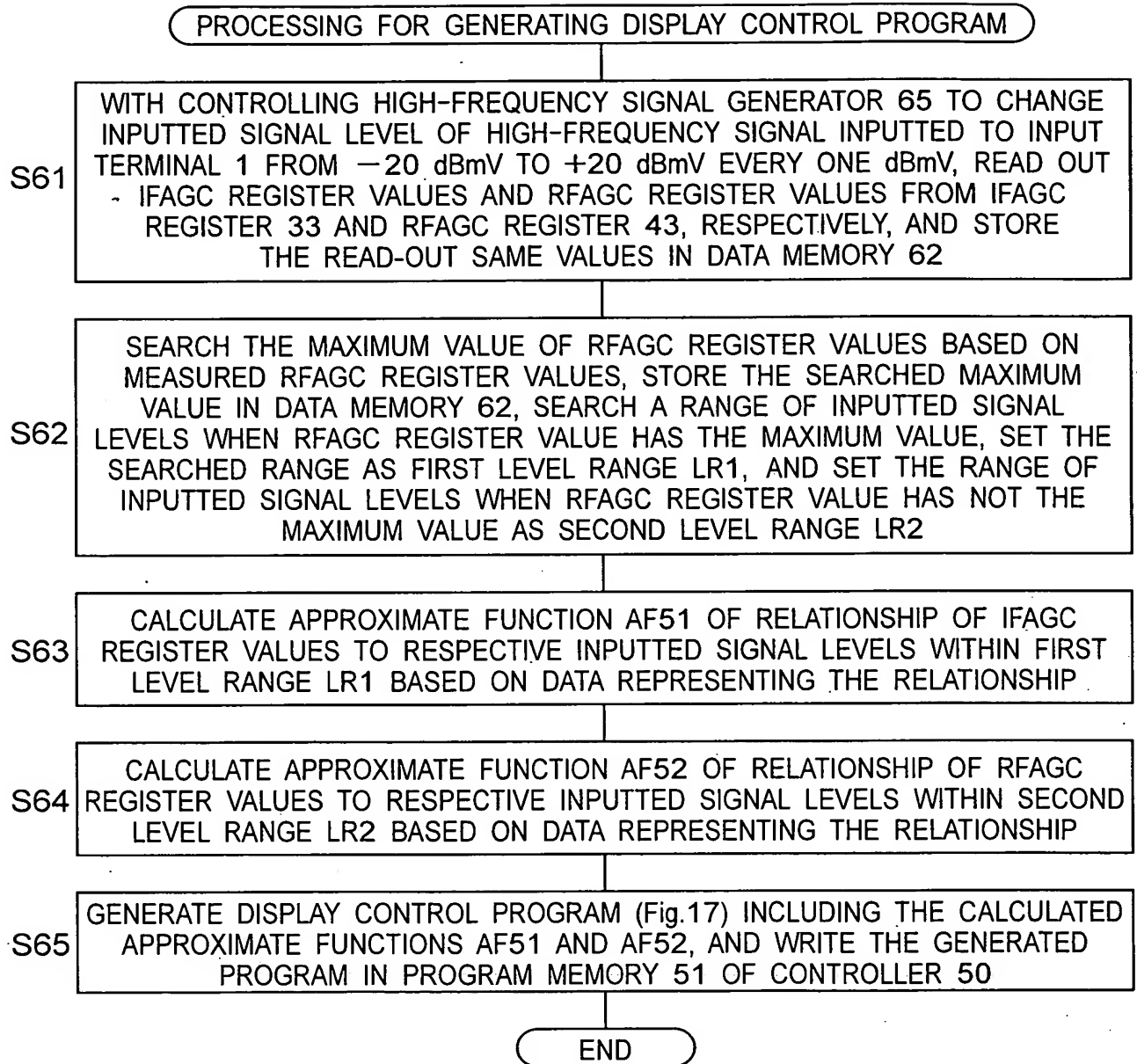
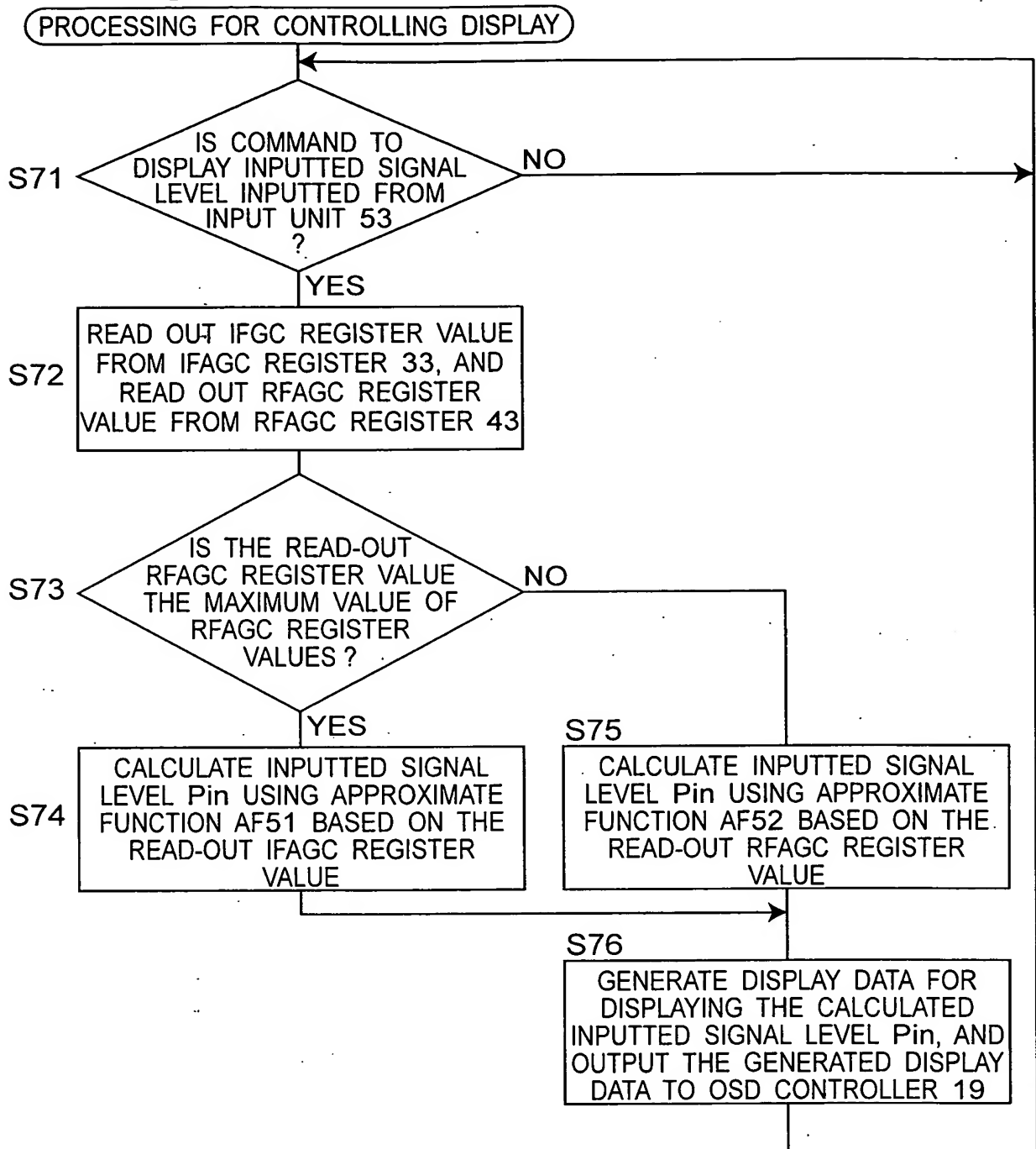


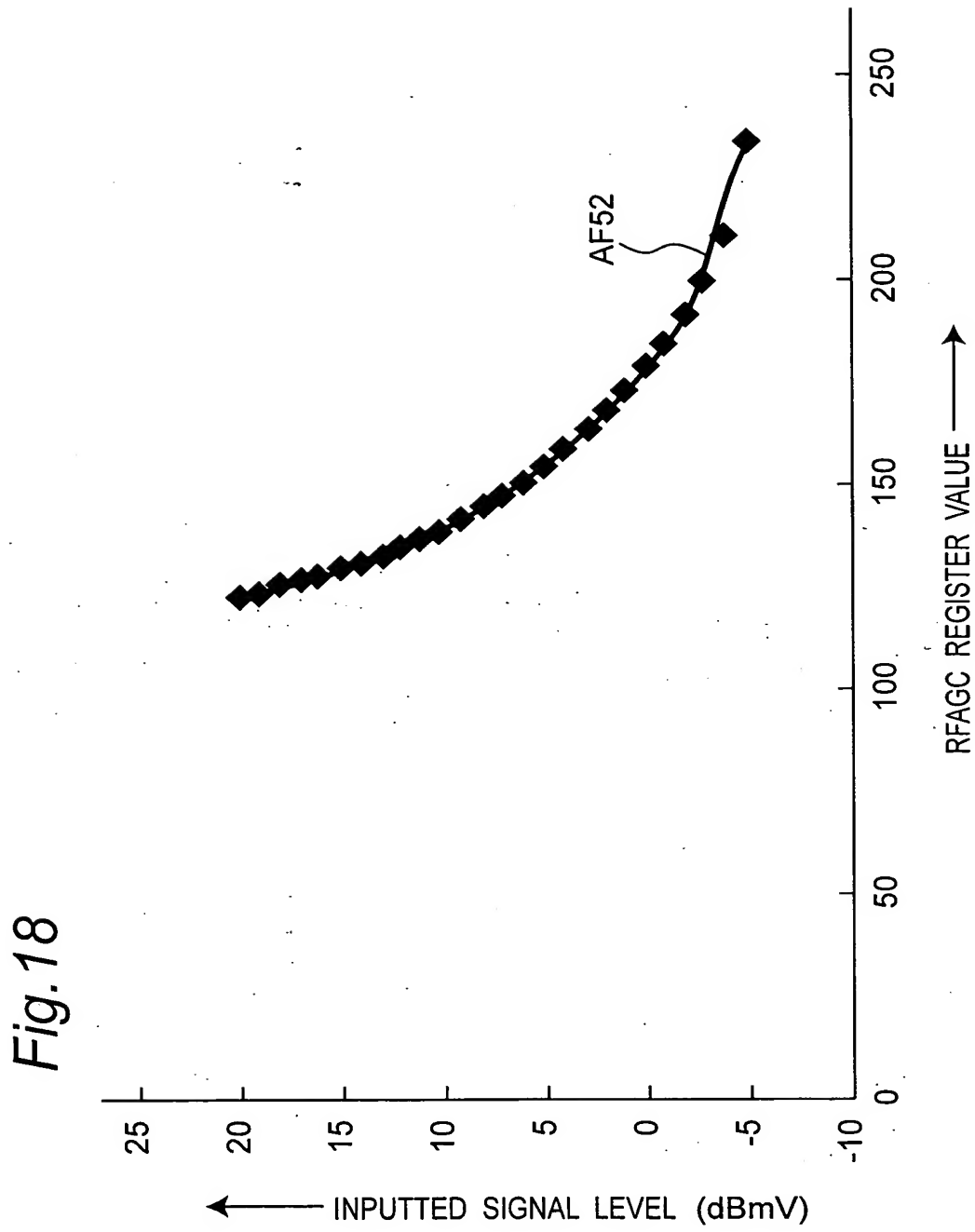
Fig. 15



*Fig.16*



*Fig.17*



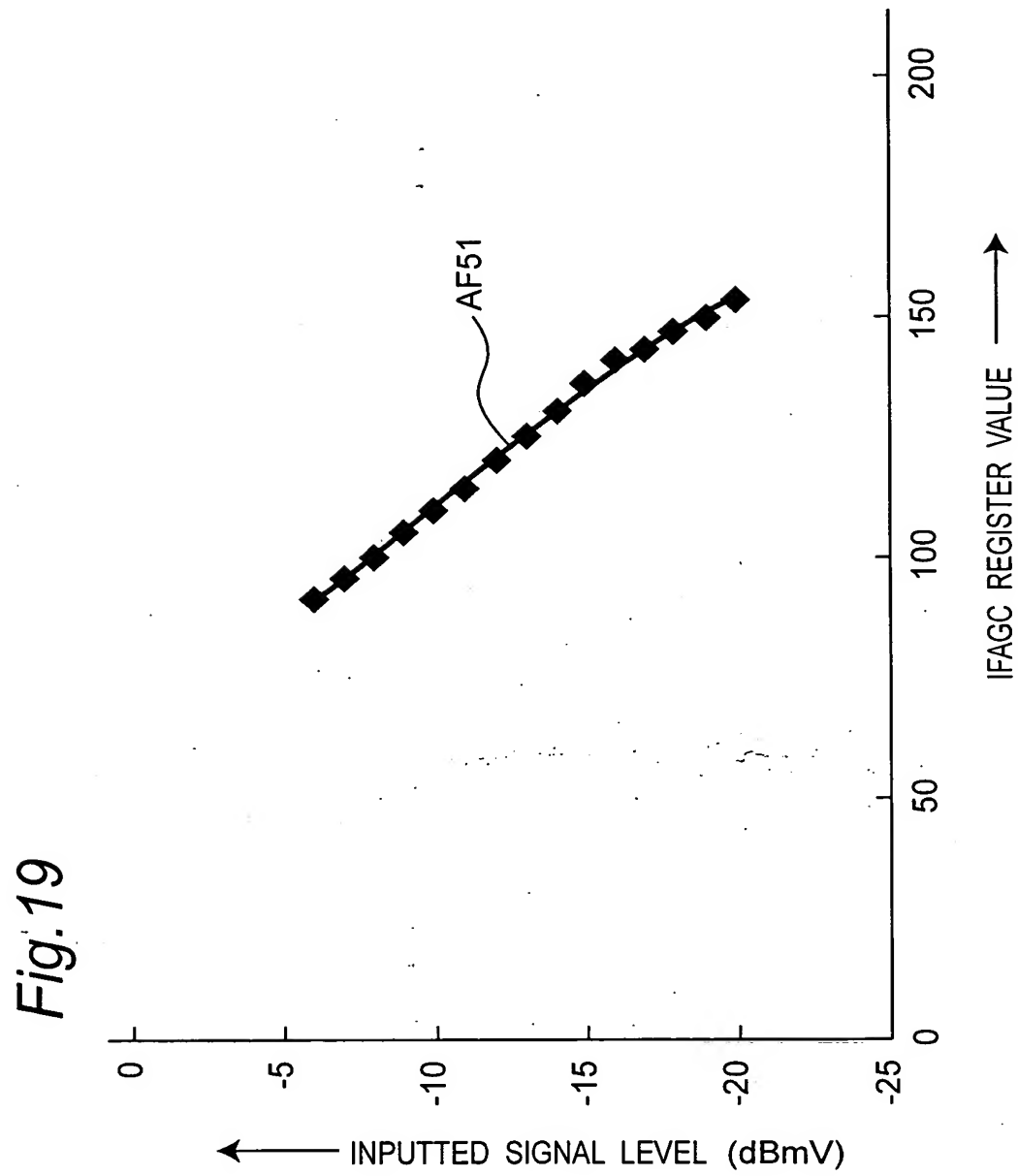


Fig.20

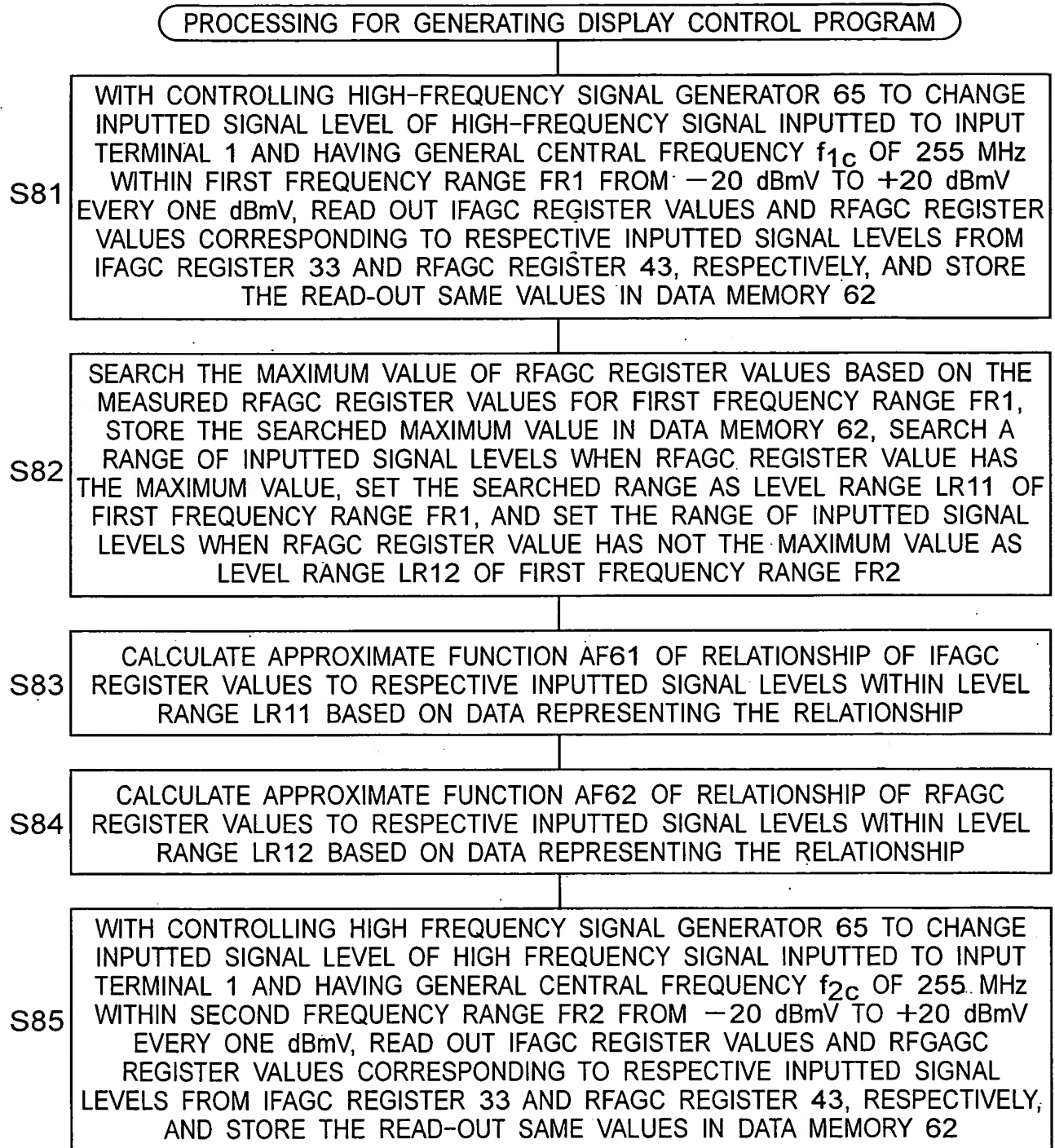


Fig.21

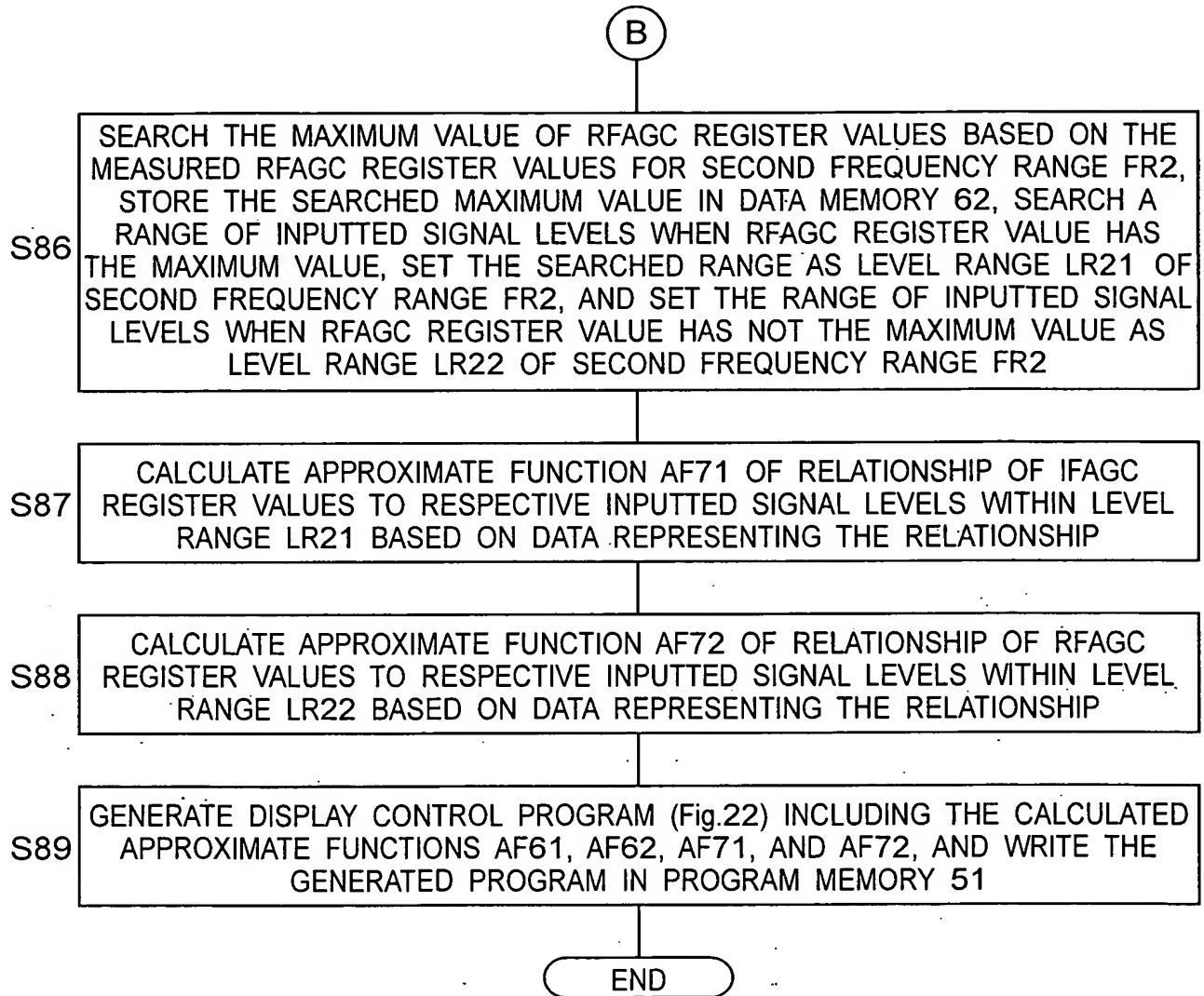


Fig.22

22/30

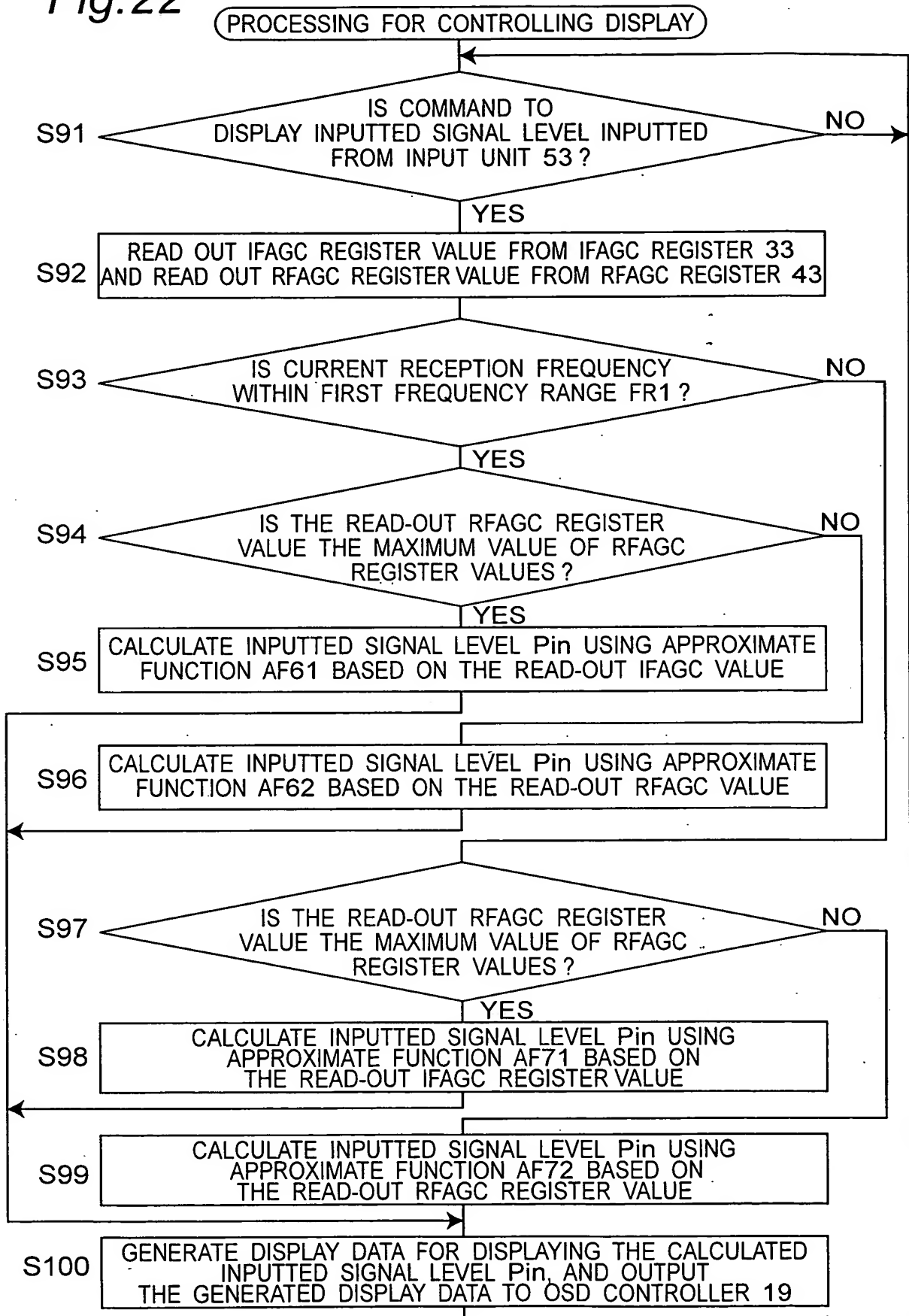


Fig.23

## PROCESSING FOR GENERATING DISPLAY CONTROL PROGRAM

- S101 WITH CONTROLLING HIGH-FREQUENCY SIGNAL GENERATOR 65 TO CHANGE INPUTTED SIGNAL LEVEL OF HIGH-FREQUENCY SIGNAL INPUTTED TO INPUT TERMINAL 1 AND HAVING MINIMUM FREQUENCY  $f_{1\min}$  OF 57 MHz WITHIN FIRST FREQUENCY RANGE FR1 FROM  $-20$  dBmV TO  $+20$  dBmV EVERY ONE dBmV, READ OUT IFAGC REGISTER VALUES AND RFAGC REGISTER VALUES CORRESPONDING TO RESPECTIVE INPUTTED SIGNAL LEVELS FROM IFAGC REGISTER 33 AND RFAGC REGISTER 43, RESPECTIVELY, AND STORE THE READ-OUT SAME VALUES IN DATA MEMORY 62
- S102 WITH CONTROLLING HIGH-FREQUENCY SIGNAL GENERATOR 65 TO CHANGE INPUTTED SIGNAL LEVEL OF HIGH-FREQUENCY SIGNAL INPUTTED TO INPUT TERMINAL 1 AND HAVING MAXIMUM FREQUENCY  $f_{1\max}$  WITHIN FIRST FREQUENCY RANGE FR1 AND MINIMUM FREQUENCY  $f_{2\min}$  OF 459 MHz WITHIN SECOND FREQUENCY RANGE FR2 FROM  $-20$  dBmV TO  $+20$  dBmV EVERY ONE dBmV, READ OUT IFAGC REGISTER VALUES AND RFAGC REGISTER VALUES CORRESPONDING TO RESPECTIVE INPUTTED SIGNAL LEVELS FROM IFAGC REGISTER 33 AND RFAGC REGISTER 43, RESPECTIVELY, AND STORE THE READ-OUT SAME VALUES IN DATA MEMORY 62
- S103 WITH CONTROLLING HIGH-FREQUENCY SIGNAL GENERATOR 65 TO CHANGE INPUTTED SIGNAL LEVEL OF HIGH-FREQUENCY SIGNAL INPUTTED TO INPUT TERMINAL 1 AND HAVING MAXIMUM FREQUENCY  $f_{2\max}$  OF 861 MHz WITHIN SECOND FREQUENCY RANGE FR2 FROM  $-20$  dBmV TO  $+20$  dBmV EVERY ONE dBmV, READ OUT IFAGC REGISTER VALUES AND RFAGC REGISTER VALUES CORRESPONDING TO RESPECTIVE INPUTTED SIGNAL LEVELS FROM IFAGC REGISTER 33 AND RFAGC REGISTER 43, RESPECTIVELY, AND STORE THE READ-OUT SAME VALUES IN DATA MEMORY 62
- S104 SEARCH THE MAXIMUM VALUE OF RFAGC REGISTER VALUES BASED ON THE MEASURED RFAGC REGISTER VALUES AT MINIMUM FREQUENCY  $f_{1\min}$  OF FIRST FREQUENCY RANGE RF1, STORE THE SEARCHED MAXIMUM VALUE IN DATA MEMORY 62 AS THE MAXIMUM VALUE OF RFAGC REGISTER VALUES WITHIN FIRST FREQUENCY RANGE RF1, SEARCH A RANGE OF INPUTTED SIGNAL LEVELS WHEN RFAGC REGISTER VALUE HAS THE MAXIMUM VALUE, SET THE SEARCHED RANGE AS LEVEL RANGE LR11 OF FIRST FREQUENCY RANGE RF1, AND SET THE RANGE OF INPUTTED SIGNAL LEVELS WHEN RFAGC REGISTER VALUE HAS NOT THE MAXIMUM VALUE AS LEVEL RANGE LR12 OF FIRST FREQUENCY RANGE RF1
- S105 SEARCH THE MAXIMUM VALUE OF RFAGC REGISTER VALUES BASED ON THE MEASURED RFAGC REGISTER VALUES AT MINIMUM FREQUENCY  $f_{2\min}$  OF SECOND FREQUENCY RANGE RF2, STORE THE SEARCHED MAXIMUM VALUE IN DATA MEMORY 62 AS THE MAXIMUM VALUE OF RFAGC REGISTER VALUES WITHIN SECOND FREQUENCY RANGE RF2, SEARCH A RANGE OF INPUTTED SIGNAL LEVELS WHEN RFAGC REGISTER VALUE HAS THE MAXIMUM VALUE, SET THE SEARCHED RANGE AS LEVEL RANGE LR21 OF SECOND FREQUENCY RANGE RF2, AND SET THE RANGE OF INPUTTED SIGNAL LEVELS WHEN RFAGC REGISTER VALUE HAS NOT THE MAXIMUM VALUE AS LEVEL RANGE LR22 OF SECOND FREQUENCY RANGE RF2

Fig.24

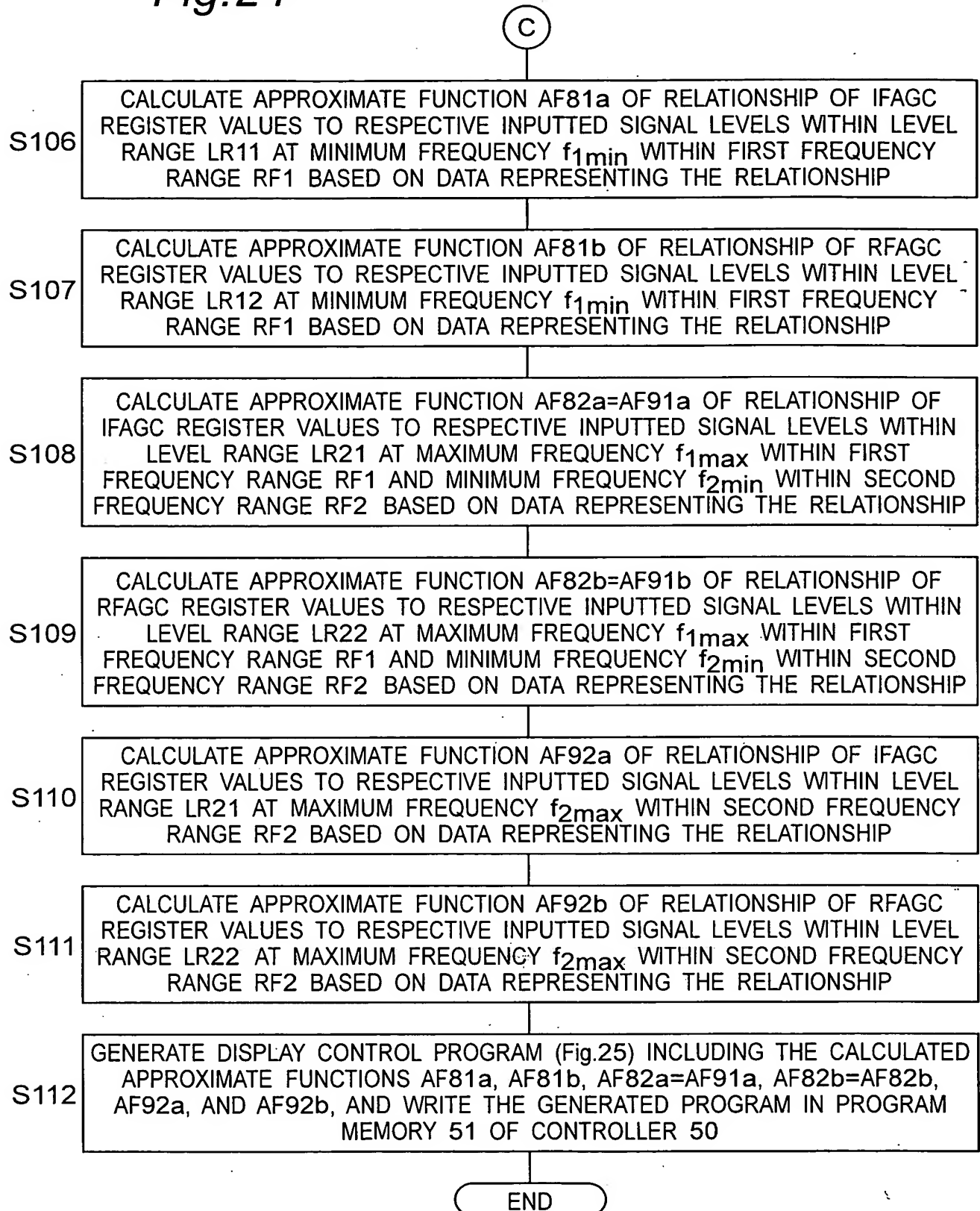




Fig.25

25/30

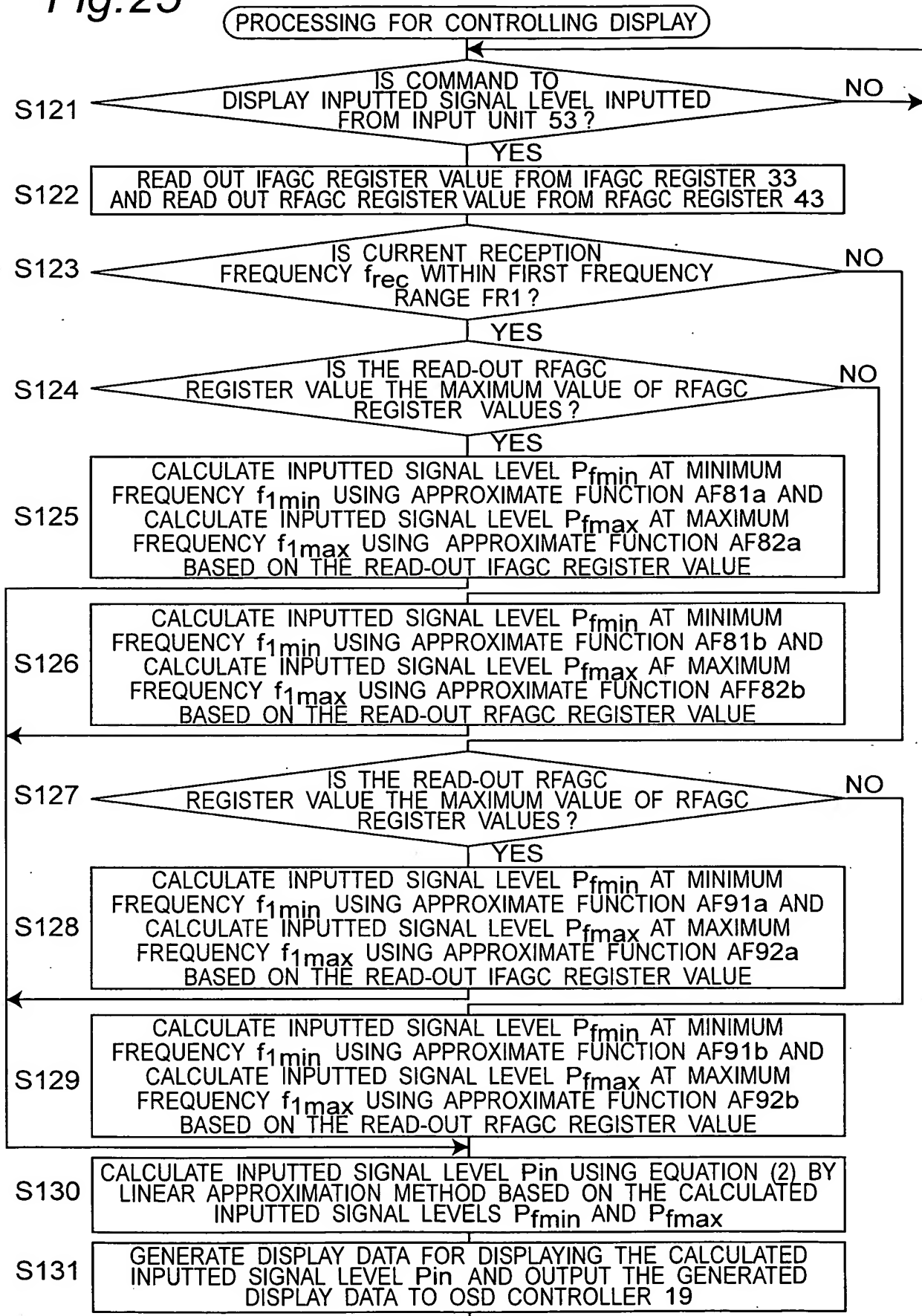


Fig. 26

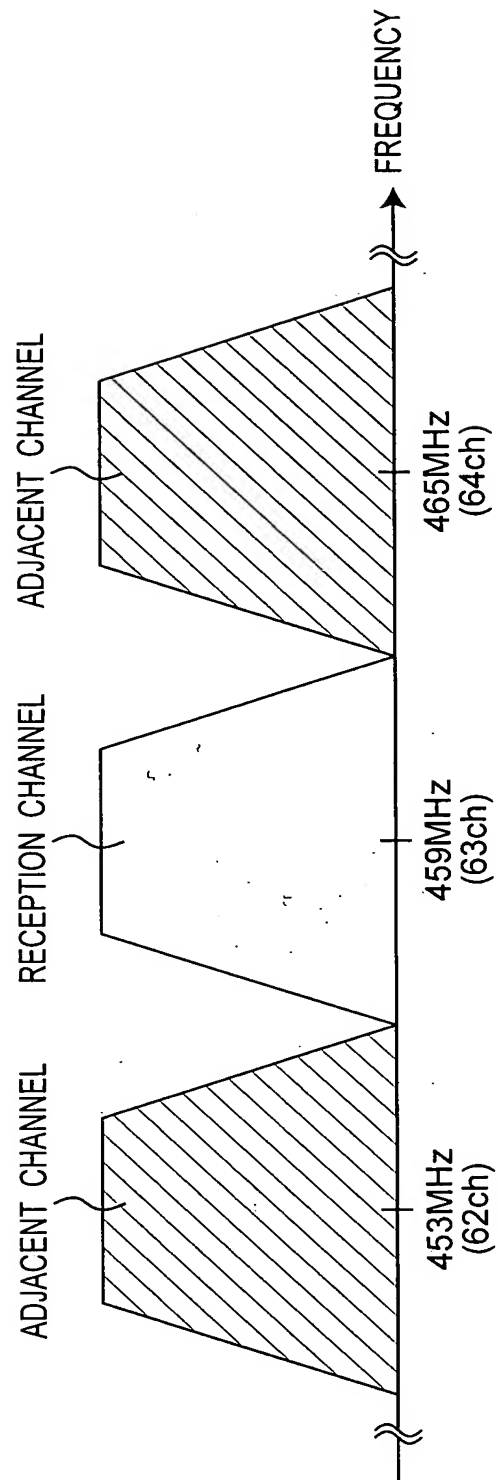


Fig.27

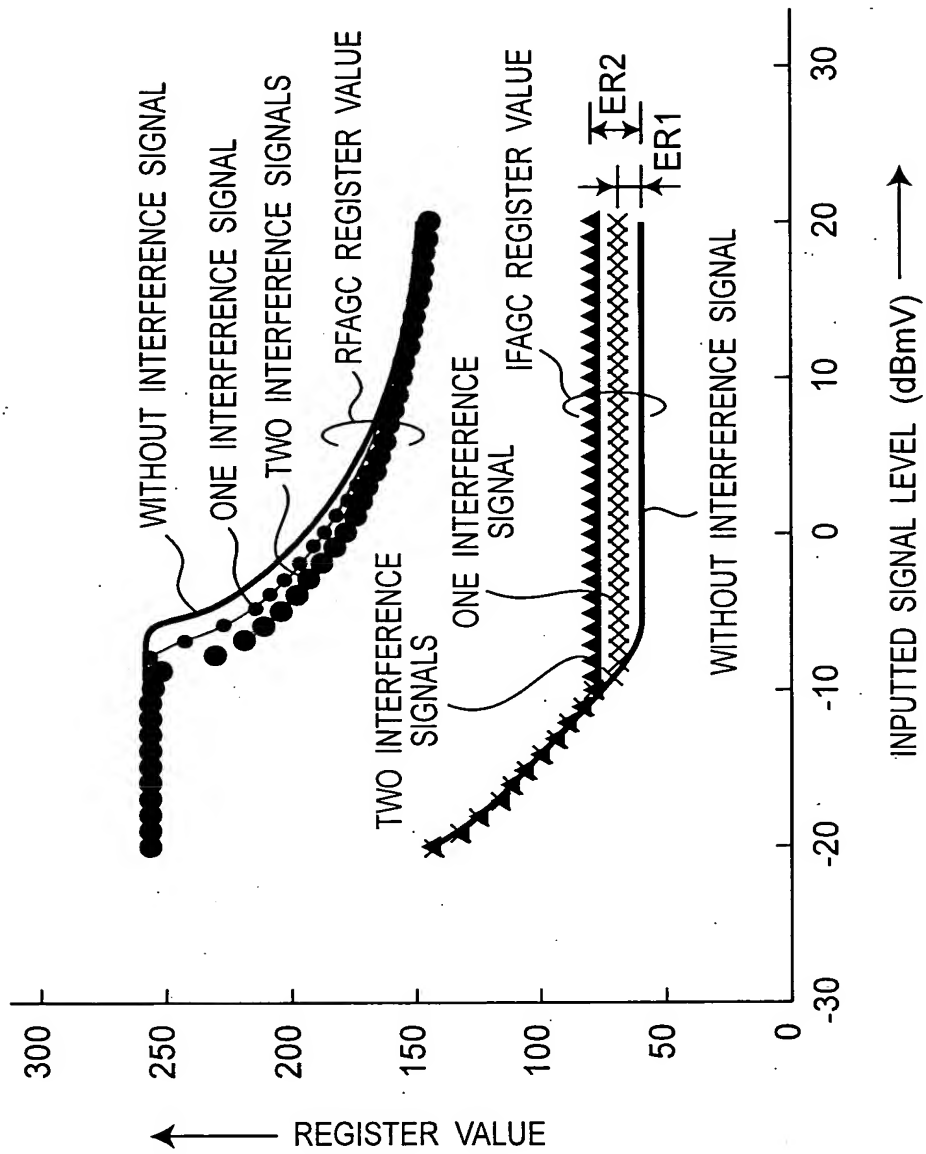
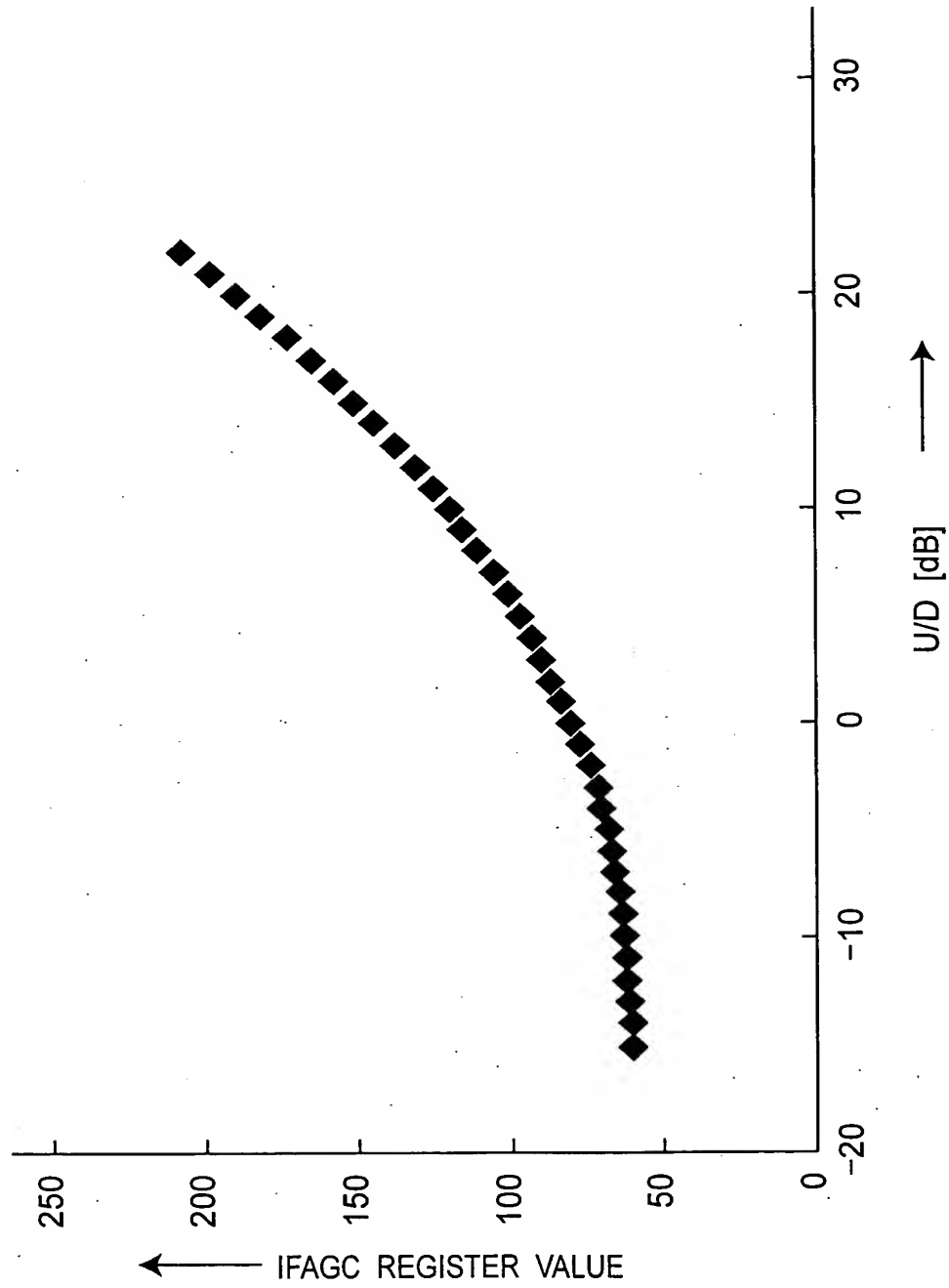


Fig.28



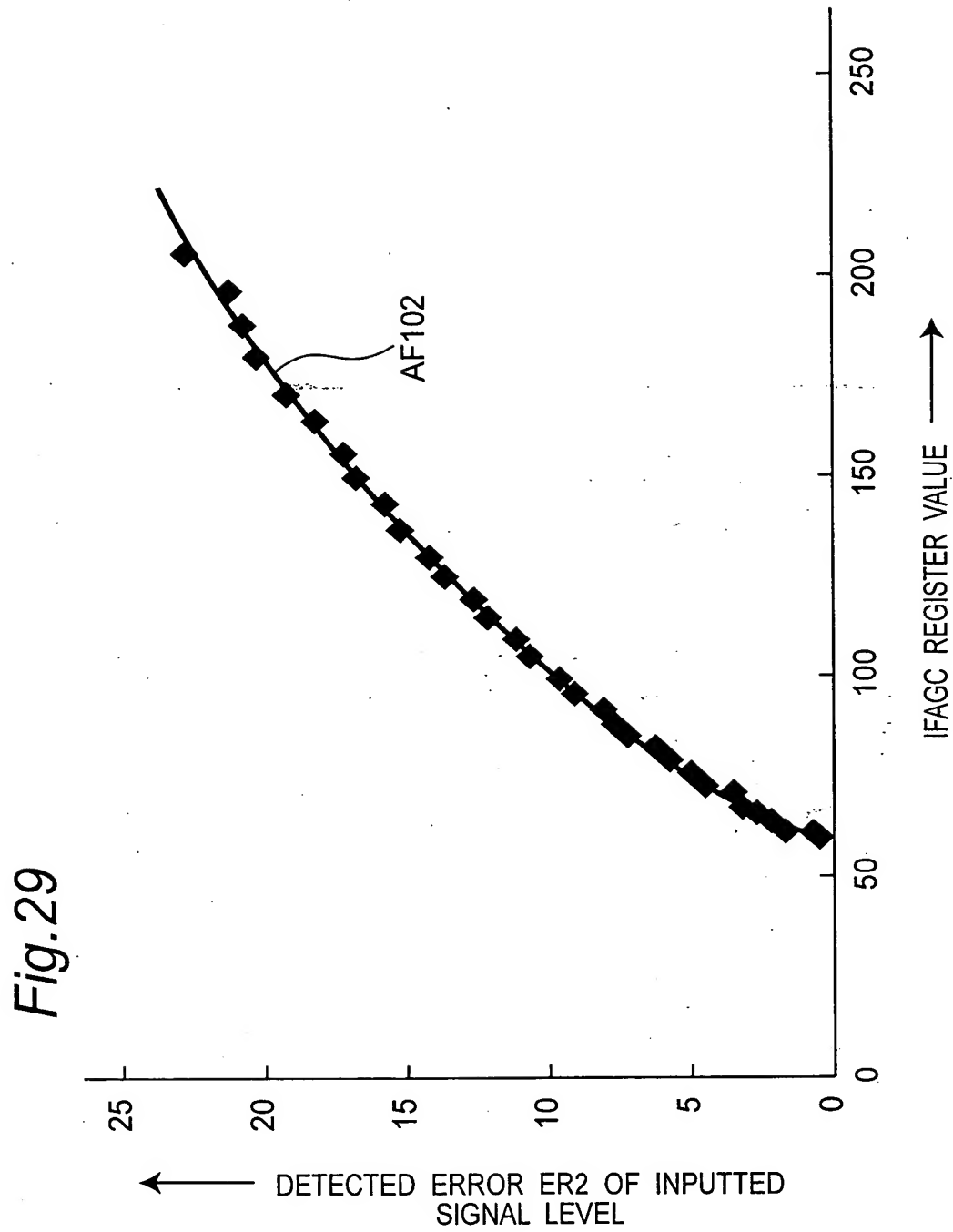


Fig.30

